

**I CLAIM:**

## 1. A barbecue device comprising:

a support unit including inverted U-shaped first and second support members, each having a horizontal bar and left and right upright posts that extend downwardly and respectively from two opposite ends of said horizontal bar, said support unit further including a first connecting rod that extends transversely between and that interconnects said left upright posts of said first and second support members, and a second connecting rod that extends transversely between and that interconnects said right upright posts of said first and second support members;

a cook unit disposed removably on said horizontal bars so as to be supported by said support unit;

said support unit being turnable upside-down and confining a receiving space which opens upwardly when said support unit is turned upside-down for receiving said cook unit therein upon removal of said cook unit from said horizontal bars of said first and second support members; and

a retainer frame having a pivot portion mounted pivotally on said second connecting rod for pivoting about an axis of said second connecting rod, a retaining portion opposite to said pivot portion, and a pair of linking arms interconnecting said pivot portion and said retaining portion, said retainer frame being turnable

away from and toward said horizontal bars about the axis of said second connecting rod for moving between an open position, in which said retaining portion is disposed away from said first connecting rod to permit placing  
5 of said cook unit into said receiving space, and a closed position, in which said retaining portion is disposed on and engages releasably said first connecting rod for retaining said cook unit in said receiving space.

2. The barbecue device as claimed in Claim 1, wherein  
10 each of said left and right upright posts of said first and second support members has a lower end, said support unit further including four upright leg members which are mounted removably and respectively on said lower ends of said left and right upright posts of said first  
15 and second support members and which are adapted to be disposed on a ground surface for supporting said cook unit above the ground surface when said cook unit is supported by said support unit.

3. The barbecue device as claimed in Claim 2, wherein  
20 said left upright post of each of said first and second support members is formed with four clamping grooves that are displaced vertically from one another, said clamping grooves in said first support member being aligned respectively with said clamping grooves in said  
25 second support member, each of said leg members being engageable with a respective aligned pair of said clamping grooves in said first and second support members

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when removed from said lower end of the respective one of said upright posts.

4. The barbecue device as claimed in Claim 1, wherein said cook unit includes a hollow cooking base that has a bottom side formed with first and second positioning grooves for retaining said horizontal bars of said first and second support members, respectively, when said cook unit is supported by said support unit.

5. The barbecue device as claimed in Claim 4, wherein said bottom side of said cooking base is further formed with a positioning hole in said first positioning groove, said horizontal bar of said first support member being formed with an upwardly projecting first pin projection that extends into said positioning hole when said cook unit is supported by said support unit, said cook unit further including an engaging plate mounted on said bottom side of said cooking base and extending below said second positioning groove, said horizontal bar of said second support member being disposed between said bottom side of said cooking base and said engaging plate when said cook unit is supported by said support unit, said engaging plate being formed with a notch, said horizontal bar of said second support member being formed with a downwardly projecting second pin projection that engages said notch when said cook unit is supported by said support unit, said horizontal bars of said first and second support members being retained respectively

in said second and first positioning grooves when said cook unit is received in said receiving space, said positioning hole and said notch engaging respectively said second and first pin projections when said cook unit is received in said receiving space.

6. The barbecue device as claimed in Claim 1, wherein said cook unit includes a cooking base and a top cover disposed over said cooking base, said linking arms of said retainer frame abutting against a top side of said top cover when said retainer frame is moved to said closed position for retaining said top cover on said cooking base.

7. The barbecue device as claimed in Claim 6, wherein each of said top cover and said cooking base has a circular periphery, said pivot portion being sleeved rotatably on said first connecting rod and being elongated in shape, said pivot portion having two opposite ends connected respectively to said linking arms, and an intermediate section between said opposite ends, each of said opposite ends of said pivot portion being spaced apart from said peripheries of said cooking base and said top cover when said cook unit is received in said receiving space, said intermediate portion of said pivot portion being disposed closely adjacent to said periphery of said top cover when said cook unit is received in said receiving space, said retainer frame further including a retaining block mounted on said pivot portion so as to be

co-rotatable with said pivot portion and so as to be  
slidable along said pivot portion for moving between  
said intermediate section and one of said opposite ends  
of said pivot portion, said retaining block being  
5 disengaged from said cook unit when moved to one of said  
opposite ends of said pivot portion to permit pivoting  
movement of said retainer frame between said open and  
closed positions, said retaining block abutting against  
said top side of said top cover when moved to said  
10 intermediate section to help retain said cook unit in  
said receiving space and to retain said retainer frame  
in said open position, thereby enabling said retaining  
portion to serve as a handle.

8. The barbecue device as claimed in Claim 7, further  
15 comprising a pair of wheel members mounted respectively  
on said left upright posts of said first and second  
support members, said wheel members being adapted to  
be in rolling contact with the ground surface when the  
support unit is disposed upside-down on the ground  
20 surface.